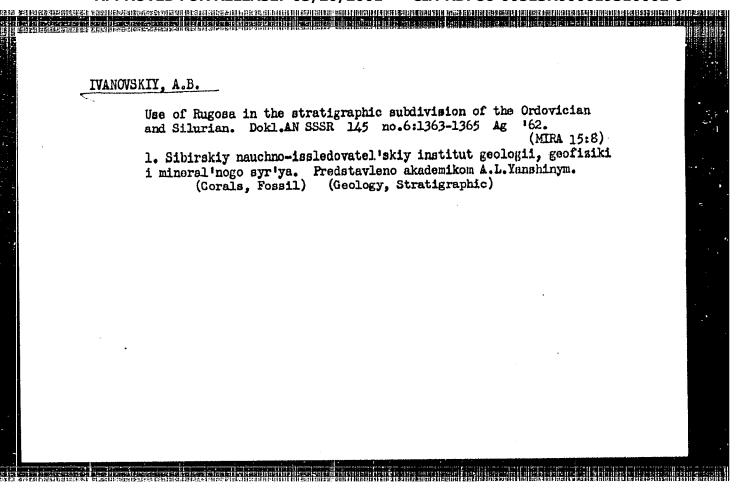


ZAPRUDSKAYA, M.A.; IVANOVSKIY, A.B.

Two new genera of Silurian Cystiphyllidae (rugosa) from the Siberian Platform. Trudy VNIGRI no.196. Paleont.sbor. no.33 48-57 '62. (MIRA 1624)

(Siberian Platform—Rugosa)



MYAGKOVA, Ye.I.; NIKIFOROVA, O.I.; VYSOTSKIY, A.A.; IVANOVSKIY,
A.B.; SOKOLOV, B.S., otv. red.; KOTINARCUSKAYA, P.S.,
red.izd-va; GALUSHKO, Ya.A., red.izd-va; MATYUKHINA, L.I.,
tekhm. red.; YEGOROVA, N.F., tekhm. red.

[Stratigraphy of Ordovician and Silurian sediments in the
Moyyero Valley; Siberian Platform] Stratigrafiia ordovikskikh i siluriiskikh otlozhenii doliny reki Modero; Sibirskaia platforma. Moskva, Izd-vo AN SSSR, 1963. 63 p.
(MIRA 16:12)

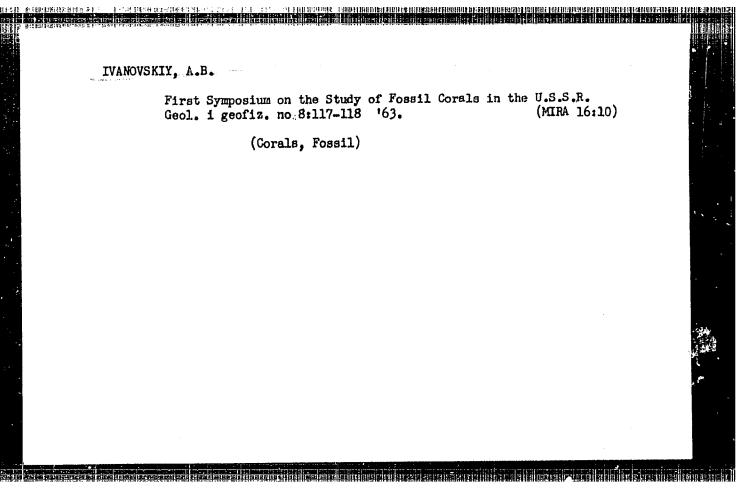
1. Vsesoyuznyy geologicheskiy nauchno-issledovateliskiy institut (for Vysotskiy, Nikiforova). 2. Institut geologii i
geofiziki Sibirskogo otdeleniya AN SSSR (for Nyagkova).
3. Sibirskiy nauchno-issledovateliskiy institut geologii,
geofiziki i mineralinogo syriya (for Ivanovskiy).

(Moyyero Valley-Geology, Stratigraphic)

IVANOVSKIY, Andrey Borigovich; SOKOLOV, B.S., otv. red.; IL'INA,
N.S., red.izd-va; LAUT, V.G., tekhm.red.; NOVICHKOVA,
N.D., tekhm. red

[Ördovician and Silurian Rugosa in the Siberian Platform]
Rugozy ordovika i silura Sibirskoi platformy. Izd-vo AN
SSSR, 1963. 157 p.

(MIRA 17:3)



ABUSHIK, A.F.; IVANOVSKIY, A.B.

Boundary between the Lower and Upper Silurian in the northern part of the Siberian Platform. Dokl. AN SSSR 153 no.1:158-161 N '63. (MIRA 17:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut i Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR. Predstavleno akademikom A.A. Trofinukom.

IVANOVSKIY, Andrey Borisovich; 30KOLOV, 5.S., otv. red.

[Very ancient Rugosa] Drevneishie rugozy. Moskva,
Nauka, 1965. 150 p. (MIRA 18:3)

SOKOLOV, B.S., ctv. red.; IVANOVSKIY, A.B., otv. red.

[Transactions of the First All-Union Symposium on the Study of Fossil Corals] Trudy I Vsessyuznogo simpoziuma pe izucheniiu iskepasmykh korallav. Moskva, Nauka. No.4. 1965. 45 p. (MIRA 18.11)

1. Vsesoyuznyy simpozium po inucheniyu iskopayemykh korallov. 1st., Novosibirsk, 1963.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000619310002-9"

SOKOLOV, B.S., otv. red.; IVANOVUKIY ABBANA tv. red.; KALANTAROV, A.P., red.

[Paleozoic Rugosa of the U.S.S.R.; transactions] Rugozy paleozoia SSSR; trudy. Moskva, Nauka, No.3. 1965. 89 p. (MIRA 19:1)

1. Vsesoyuznyy simpozium po izucheniyu iskopayemykh korallov SSSR, 1st.

BOGUSH, Okeana Ivanovna; GERASIMOV, Yevgeniy Konstantinovich;
YUFEREV, Oleg Vyachaelavovich. Prinimali uchastiye;
DUBATOLOV, V.N.; CHUDINOVA, I.I.; IVANOVSKIY, A.B.;
YELKIN, Ye.A.; CHERNYAK, G.Ye.; FURSENKO, A.V., otv. red.

[Lover Carboniferous of the lower Lena Valley] Nizhnii
karbon nizov'ev Leny. Moskva, Nauka, 1965. 64 p.

(MIRA 18:7)

1. Chlen-korrespondent AN Belorusskoy SSR (for Fursenko).

ALEKSEYEVA, R.Ye.; BETERRITINA, O.A.; VOZZHENIKOVA, M.F.; GRATSIANOVA, R.T.; DUBATOLOV, V.N.; YELKIN, Ye.A.; ZEKHAROV, V.A.; IVAKOVSKIY, A.B.; SIDYACHENKO, A.I.; KUL'KOV, N.P.; MYAGKOVA, Ye.I.; OBUT, A.M.; SAKS, V.N.; TESAKOV, Yu.I.; FURSENKO, A.V.; KHOMENTOVSKIY, V.V.; YUFEREV, O.V.

Corresponding Member of the Academy of Sciences of the U.S.S.R. Boris Sergeevich Sokolov; 1914 - ; on his 50th birthday. Geol. i geofiz. no.8:140-147 '64 (MIRA 18:2)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000619310002-9"

- 1. IVANOVSKIY A.D., KOZENKO A.S.
- 2. USSR (600)
- 4. Snow
- 7. Snow cycle in the central forest-stoppe zone. Gidr. i mel. 4 no.12, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, unclass.

- 1. KOZMENKO, A. S.; IVANOVSKIY, A. D.
- 2. USSR 600
- 4. Runoff
- 7. Surface runoff cycle in the central forest steppe zone, Gidr. i mel, 5, No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000619310002-9"

<u>di Checambio constitutio de la cita de la casa de la ca</u>

Country : USSR M Category : Cultivated Plants. General. Abs Jour : RZhBiol., No 6, 1959, No 24784 : Ivanovskiy, A. I. : Agricultural Scientific-Research Institute Auhtor Inst of the Far North. 2 Development Characteristics and Variability Title of Plants in the Far North. Orig Pub : Tr. N.-i. in-ta so-kh. Krayn. Severa, 1957, 5, 5-38 Abstract : A desription of the vegetative period in tundra, tundra-and-forest and talga zones, as well as data on experiments of cultivation of potatoes, vegetable, cereal and perennial plants are submitted. The development conditions of the plants in the Far North assist in the growth of their vegetative mass, thereby making it possible to obtain big harvests of potatoes, cabbage, root Card : 1/2

IVANOVSKIY, A.I.

Scientific and practical recommendations for the cultivation of field crops in the Far North. Probl. Sev. no.6:158-163 62. (MIRA 16:8)

1. Nauchno-issledovatel'skiy institut sel'skogo khozyaystva Kraynego Severa Ministerstva sel'skogo khozyaystva RSFSR. (Russia, Northern-Field crops)

Luanousty, A.I

USSR/General Division. History. Classics. Personalities. A-2

Abs Jour Ref Zhur-Biologiya, No 2, 1958,4648

Author D. D. Brezhnev, A. I. <u>Ivanovskiy</u>, T. V. Liz-gunova and Others

Inst

Title In Memory of V. L. Vasil'yev

Orig Pub : Sad i ogorod, 1957, No 5, 75

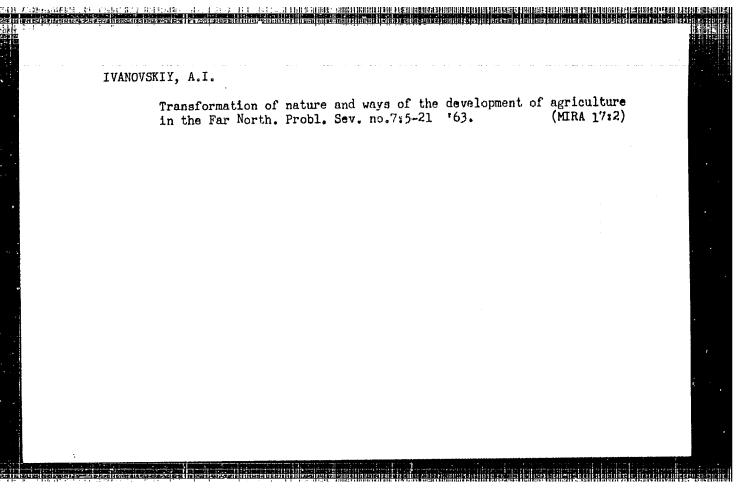
Abstract

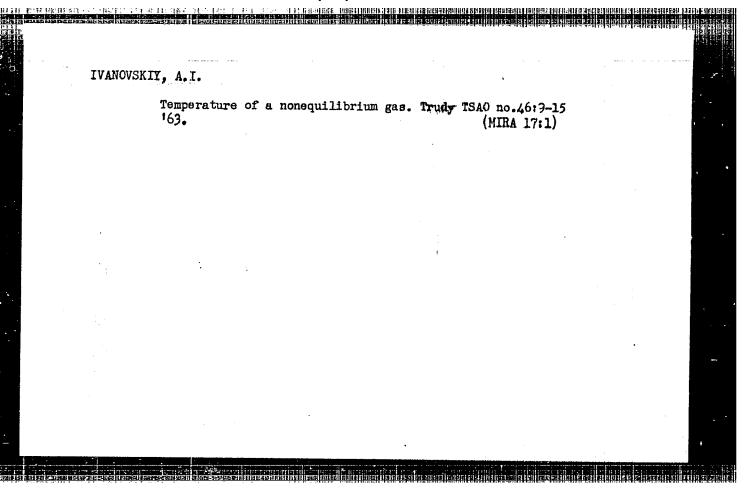
: Obituary of Vasiliy Luk'yanovich Vasil'yev, one of the oldest vegetable growers in the country

(1884-1957) who had worked on problems of vegetable growing, variety of vegetable crops and vegetable seeds. A number of works by Vasil'yev were devoted to problems on vege-

table growing in the far North

Card 1/1





IVANOVSKIY, A.I.

Investigation of flows caused by sound, Nauch. dokl. vys. skoly;
fiz.-mat. nauki no.1:143-148 '58. (MIRA 12:3)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.

(Sound waves) (Hydrodynamics)

AUTHOR:

Ivanovskiy, A.I.

46-4-2-6/20

TITLE:

On the Relationship Between Acoustic Streaming and Sound

Absorption (O svyazi potokov vyzvannykh zvukom, s pogloshcheniyen

zvuka)

PERIODICAL:

Akusticheskiy Zhurnal, 1958, Vol IV, Nr 2, pp. 143-152 (USSR)

ABSTRACT:

Hydrodynamics of acoustic streaming in liquids is discussed. The author proposes a method which makes it possible to obtain equations for acoustic streaming in various media. These equations are obtained for media which can be described by the Navier-Stokes equations, by relaxation hydrodynamics and by the theory of successive media. Frequency dependences of elastic and viscous constants in terms of succession function are obtained for the latter case. It is shown that the succession function can be obtained experimentally from the frequency dependences of elastic and viscous constants. The equations obtained show that acoustic streaming is present only when the total absorption coefficient is greater than zero. The frequency dependence of the stream velocity is determined entirely by the frequency dependence of this absorption coefficient. The paper is entirely theoretical.

Card 1/2

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000619310002-9"

46-4-2-6/20 On the Relationship Between Acoustic Streaming and Sound Absorption

> The author thanks E.G. Shvidkovskiy who directed this work. There are 7 references, 4 of which are Soviet, 1 French.

1 German and 1 American.

ASSOCIATION: Kafedra molekulyarnov fiziki iloskovskogo gosudarstvennogo

universiteta (Chair of Molecular Physics, Moscow State University)

SUBMITTED: July 8, 1957

1. Underwater sound-Absorption 2. Hydrodynamics-Theory Card 2/2

IVANOVSKIY, A. I.: Master Phys-Math Sci (diss) -- "Theoretical and experimental study of currents caused by sound". Moscow, 1959. 7 pp (Moscow Order of Lenin and Order of Labor Red Banner State U im M. V. Lomonosov, Phys Faculty), 150 copies (KL, No 17, 1959, 105)

PHASE I BOOK EXPLOITATION SOV/3390

Ivanovskiy, Andrey Ivanovich

- Teoreticheskoye i eksperimental'noye izucheniye potokov, vyzvannykh zvukom (Theoretical and Experimental Study of Flows Caused By Sound) Moscow, Gidrometeoizdat, 1959. 114 p. 1,600 copies printed.
- Sponsoring Agencies: USSR. Glavnoye upravleniye gidrometeorologicheskoy sluzhby. Tsentral'naya aerologicheskaya observatoriya.
- Ed. (Title page): Ye.G. Shvidkovskiy; Ed. (Inside book): L.V. Blinnikov; Tech. Ed.: I.M. Zarkh.

- PURPOSE: This monograph is intended for researchers and engineers interested in nonlinear acoustics.
- COVERAGE: This is a study of flows caused by sound waves and nonlinear acoustic effects. The author analyzes Eckart's method and formulas and points out the following shortcomings: 1. sound is assumed to be-adiabatic; 2. the nonlinear properties of media are taken into account only in the equation of motion and continuity:

 Card 1/5

Theoretical and Experimental (Cont.)

SOV/3390

3. the equation system of first approximation is applicable only to the propagation of sound in a stationary medium; 4. Eckart's equation for flows contains only the local velocity derivative in time; 5. relaxation effects are not taken into account. The author presents his own method and includes a verification of derived formulas. The author attempts to explain the vertical movement of the air in the stratosphere by quartz wind effects and points out that the methods and results obtained in the present work can be applied to studies of density and temperature fluctuations in plasma. He also states that this method was used in studying streams caused by so-called Alfvén waves in magnetic hydrodynamics and that it can also be applied to thermal waves. The theoretical study of nonlinear effects is based on the theory of hereditary media; thus results can be applied also to molecular physics and to the theory of solids. The author previously, worked at the Tsentral naya aerologicheskaya observatoriya (Central Aerological Observatory) but the present study is based on work done at the Physics Department of Moscow University. He thanks Ye.G. Shvidkovskiy, Doctor of Physical and Mathematical Sciences, I.P. Mazin, Candidate of Physical and Mathematical Sciences, and G.A. Kokin, Candidate of Physical and Mathematical Sciences.

Card 2/5

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000619310002-9"

Theoretical and Experimental (Cont.) SOV/3390		
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7.	Acoustic flow in a long cuvette with arbitary values	52	
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cuvette 20. Quartz wind and turbulence	98	
21. Results of experimental studies of acoustic flows	100	
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S/124/61/000/010/045/056 D251/D301

AUTHOR:

...vanovskiy, A.I. and Cheremisin, F.G.

TITLE:

On the possibility of approximate definition of the spectrum of atmospheric turbulence for a given aircraft probe

PERIODICAL:

Referativnyy zhurnal. Mekhanika, no. 10, 1961, 106, abstract 10 B719 (Tr. Tsentr. aerol. observ. 1959,

no. 31, 18-21)

TEXT: The work is based on the approximate equation of A.S. Dubov, describing the vibrations of an aircraft in horizontal

 $W_z = v_z + b\dot{v}_z$ (1)

where $\mathbf{W}_{\mathbf{Z}}$ is the velocity of the vertical component of the wind, $\mathbf{v}_{\mathbf{Z}}$ is the vertical velocity of the center of gravity of the aircraft, \mathbf{v}_z is the vertical overload, measured by an accelerometer, b is some

Card 1/2

On the possibility...

S/124/61/000/010/045/056 D251/D301

coefficient dependent on the coefficients of mass and velocity of the aircraft. From Eq. (1) it follows that the relationship between the spectral function of the acceleration of the aircraft and the spectrum of the vertical component of the wind is given by

 $\Phi(\omega) = \frac{\Psi(\omega)}{\omega^2} (1 + \omega^2 b^2)$ where $\Phi(\omega)$ and $\Psi(\omega)$ are respectively the spectral characteristics of the vertical component of the wind and the acceleration of the center of gravity of the aircraft defined by the following form

 $\overline{W_z(t)W_z(t+\xi)} = \int \Phi(\omega) e^{i\omega\xi} d\omega$

The turbulence is assumed to be isotropic. By such a form, according to the measurement of the value of Ψ (ω), the spectrum of turbulence may be calculated approximately. \angle Abstracter's note:

Gard 2/2

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\$/124/62/000/003/009/052 D237/D301

AUTHORS:

Ivanovskiy, A.I., and Repnev, A.I.

TITLE

Density distribution in an instrument during free

molecular flow

PERIODICAL:

Referativnyy zhurnal, Mekhanika, no. 3, 1962, 25, abstract 3B125 (Tr. Tsentr. aerol. observ., 1960,

no. 29, 51 - 65)

TEXT: It was assumed that distribution of molecular velocities is Maxwellian, the free-path of the molecules is much longer than the characteristic dimension of the instrument, that the gas is nomogeneous and is collected by the instrument on the body moving with a high velocity, and that measurements are registered by a recorder mounted in the wall of the instrument. Under these assumptions based on the theory of rarefied gases, formulas are obtained for the density distribution of the collected mass of gas, at first for the simplest instrument in the form of a straight tube open at one end, then for a cavity of arbitrary shape with a known distribution of temperature, as a function of position on the walls of the cavi-Card 1/2

Density distribution in an ...

S/124/62/000/003/009/052 D237/D301

ty; in particular, formulas are obtained for the density distribution of the molecules brought to the wall temperature, in the case of the cavity either stationary or moving w.r. to gas (Temperature of the cavity is assumed constant.) [Abstractor's note: Complete translation].

Card 2/2

33073

8/169/61/000/012/083/089 D228/D305

242120 AUTHOR:

Ivanovskiy, A. I.

TITLE:

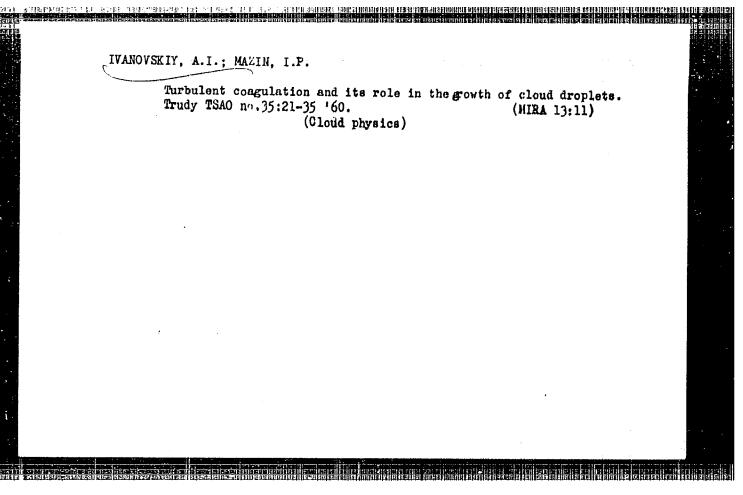
Wave-induced flows in magnetic hydrodynamics

PERIODICAL:

Referativnyy zhurnal, Geofizika, no. 12, 1961, 13, abstract 12681 (Tr. Tsentr. aerol. observ., 1960, no. 29, 84-87)

TEXT: Certain correlations from the "acoustic wind" theory, i.e., the flow of liquid arising under the influence of high-frequency sound (if there are radiation pressure gradients), are extended to the field of magnetic hydrodynamics. Equations are derived for flows in the presence of an externally constant magnetic field H₀ on the assumption that the amplitude of the variations of the velocity is much smaller than the speed of the wave process. The results are attributed, finally, to the case of the propagation of magneto-hydrodynamic waves in the direction

Card 1/2



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5/169/63/000/003/006/042 D263/D307

AUTHORS:

Alekseyev, P.P., Besyelovskiy, Ye. .., Biryukova, L.A., Golyshev, G.I., Ivanovskiy, A.I., Izakov, H.L., Kokin, G.A., Kurilova, Yu.V., Livahits, N.S., Petrov, A.A., Rozhdestvenskiy, B.G., Solov'yev, N.V., Speranskiy, K.Ye., Khyostikov, Y.A., Shandkovskiy, V. skiy, K.Ye., Khvostikov, I.A., Shvidkovskiy, Ye.G.

and Shcherba, I.A.

Study of the upper layers of the atmosphere with the TITLE:

aid of meteorological rockets

Referativnyy zhurnal, Geofizika, no. 3, 1963, 28, PERIODIC.L:

abstract 3.166 (Tr. Vses. nauchn. Mateorol. sevenh-

chaniya. T.I.L., Gidrometeoizdat, 1962, 91-103)

In the present review-type article the authors give the results of studies carried out at Wsentralnaya aerologicheskaya observatoriya (Central Aerological Observatory) on atmospheric sounding with meteorological rockets. Measuring methods are described and

ing with meteorological rockets. Measuring methods and coortions the main points are given for obtaining such atmospheric character-

Card 1/2

Study of the upper layers ...

\$/169/63/000/003/006/042 D265/D307

istics as pressure, temperature, and wind. Certain results are given: data of seasonal temperature variations at heights up to 50 km in the middle latitudes of the USSR and in polar regions, cases of sudden varning up, characterization of temperature distribution curves, a table characterizing the temperature inversion below the stratopause under the conditions of polar night, and data regarding the circulation in the upper atmospheric layers. Information is given on the constructed meridional sections of temperature fields and on the zonal component of the gradient wind. (25 references).

Abstracter's note: Complete translation

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ACCESSION NR: AT3002098 S/2789/62/000/040/0005/0006

AUTHOR: Ivanovskiy, A.I.

TITLE: Application of the gas kinetic equations to the study of properties of the upper atmosphere

SOURCE: Tsentral'naya aerologicheskaya observatoriya. Trudy, no. 40, 1962, 5-66

TOPIC TAGS: Gas kinetic equation, Boltzmann gas kinetic equation, gas mixture, upper atmosphere, effective temperature, kinetic temperature, physicochemical magnetohydrodynamics

ABSTRACT: This theoretical paper undertakes to develop a system of physico-chemical hydrodynamics and magnetohydrodynamics equations, in which due con-chemical hydrodynamics and magnetohydrodynamics equations, in which due con-chemical hydrodynamics occurring

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13-moment approximation of H.	Grad (Gommunications of hu	30 300 mg har
ACCESSION NR: AT3002098 v. 2, no. 4, 1949, 331-407). The clar and bimolecular. The example equations bear an illustrative characteristic coefficients are directly depende calculations relate only to a few properties of the equations obtains tep leading to future advanced we tained here shows, for example, certain effective temperature up elevations up to which the effect temperature, with due consideral sideration shows the effect of so.	les developed through the use aracter and show, in particulant on the effective reaction control reactions in gasequened are not investigated; this work. The analysis of the system that the barometric equation to any altitude. An evaluation we temperature does not differ the post of the ultraviolet solar respective.	ar, that the kinetic ross section. The smixture, and the sis merely a first term of equations obtis dependent on a on is given of the er from the kinetic adiation. This con-

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L 17978-63

ACCESSION NR: AT 3002098

(26 equations). 5. Formulation of the problem of the finding of the equations of the hydrodynamics of a gas exposed to a given field of photons (9 equations). 6. Galculation of supplementary terms in the equations of hydrodynamics arising from the extinction reaction (23 equations). 7. Galculation of supplementary terms in the equations of hydrodynamics arising from the reaction of spontaneous radiation of an excited molecule (12 equations). 8. Cakulation of supplementary terms in the equations of hydrodynamics arising from the reaction of supplementary terms in the equations of hydrodynamics arising from the reaction of supplementary terms in the equations of hydrodynamics arising from the reaction of supplementary terms in the equations of hydrodynamics arising from the reaction of supplementary terms in the equations of hydrodynamics arising from the reaction of supplementary terms in the equations of hydrodynamics arising from the reaction of supplementary terms in the equations of hydrodynamics arising from the reaction of supplementary terms in the equations of hydrodynamics arising from the reaction of supplementary terms in the equations of hydrodynamics arising from the reaction of supplementary terms in the equations of hydrodynamics arising from the reaction of supplementary terms in the equations of hydrodynamics arising from the reaction of supplementary terms in the equations of hydrodynamics arising from the reaction of supplementary terms in the equations of hydrodynamics arising from the reaction of supplementary terms in the equations of hydrodynamics arising from the equation of supplementary terms in the extinct arising from the reaction of supplementary terms in the extinct of supplementary terms in the extinct of hydrodynamics arising from the reaction of supplementary terms in the extinct of hydrodynamics arising from the reaction of supplementary terms in the extinct of hydrodynamics arising from the reaction of supplementary terms in the extinct on the figure of hydrodynamics arising fr

ASSOCIATION: None

SUBMITTED: 00

DATE ACQ: 30Apr63

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SUB CODE:

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NO REF SOV: 004

OTHER: 011

real paracter depositions to real entries of the real entries of t AFFTC/ASD/ESD-3 EWT(1)/BDS L 17977-63 \$/2789/62/000/040/0062/0071 ACCESSION NR: AT3002099 AUTHORS: Repney, A.L.; Ivanovskiy, A.L. TITLE: Evaluation of the effect of nonequilibrium conditions in the a morphe on the measurements of its structural parameters Trudy, xc. 40, 1962, SOURCE: Teentral nava acrologicheskaya observatoriya. 67-71 TOPIC TAGS: mass flow, free molecular flux, Maxwell distribution function, atmospheric density measurement, high elevation atmospheric density, satel-

lite density measurement, sounding rocket density measurement.

ABSTRACT: This theoretical paper calculates additional supplementary terms in the expression of the mass flux per unit areas in free molecular flow conditions by nonequilibrium additions to the Marwellian distribution function. Assessments are made relative to the possible effect of such nonequilibrium conditions on density measurements. The paper is based on the premise that in the measurements of the acceptance of the rarified air in the upper layers of the atmosphere the hypothesis that only a local Maxwellian velocity distribution of molecules exists does not apply. This is especially true, if the cavity of the measuring instrument in which

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L 17977-63

ACCESSION NR: AT3002099

the density is to be determined is moving at a velocity much in excess of the speed of thermal motion of the molecules and the density in the cavity does not depend any longer on the velocity distribution function of the molecules of the atmosphere. The resulting calculations are applied to several practical cases: (1) A satellite on a circular orbit. Case (a) ram manameters case (b) effusion manameters. These

radiative-energy patence as myn energious so supersustanty has 14 numbered equations and formulas.

ASSCCIATION: None

SUBMITTED: 00

date acq: 30Apr63

ENCL:

SUB CODE: AL AS

NO REF SOV: 003

OTHER: 007

Cord 2/2

EPA(b)/EWT(1)/BDS/ES(*)

APDC Pd-4/Pe-4/Pi-4/Pg 4 3W

ACCESSION NR: AT3002100

S/2789/62/000/046/0072/0076

AUTHORS: Ivanovskiy, A. I., Repnev, A. I.

TITLE: S patial distribution of mass, impulse, and energy fluxes behind a small aperture

SOURCE: Tsentral'naya aerologicheskaya observatoriya, Trudy, no. 40, 1962,

TOPIC TAGS: density measurement, rocket measurement atmospheric density,
mass flux manometer aperture, impulse flux manometer
aperture, energy flux manometer aperture

ABSTRACT: This theoretical paper deals with the measurement of the atmospheric density by means of manometers set up on a rocket and explores the problem that arises in determining the relationship of the relationship.

know the angular distribution of the mass fluxes behind a small aperture on which

L 17994-63

ACCESSION NR: AT3002100

a stream of Maxwellian particles impinges. A further problem to be solved is that of the determination of the stresses experienced by a body passing through a rare-fied gas, for example the walls of the same measuring cavity, under the impingement of the entering gas flow. This problem requires the calculation of the angular distribution of the impulse flux behind a small aperture. The problem of the determination of the equilibrium temperature of a moving body, in particular the walls of a measuring cavity, requires the calculation of the angular distribution of the energy fluxes behind a small aperture. Calculations made in the process.

velocities. Orig. art. has 7 numbered equations and formulae, and 1 figure.

ASSOCIATION: None.

SUBMITTED: 00 DATE ACQ: 30Apr63 ENCL: 00

SUB CODE: AI, AS NO REF SOV: 004 OTHER: 002.

LURNOUSHIY, AL.

AID Nr. 981-3 3 June

CONFERENCE AT CENTRAL AEROLOGICAL OBSERVATORY (USSR)

Meteorologiya i gidrologiya, no. 3, 1963, 69. \$/950/62/000/904/092/002

The following are among the reports presented at a recent session of the Scientific Council of the Central Aerological Observatory: 1) N. Z. Pinus -- an experimental investigation of the wind field at altitudes of 7 to 11 km, certain peculiarities of the mesostructure of the wind field, and the statistical characteristics of horizontal and verifical wind fluctuations in the jet stream zone in different regions of the European USSR and Siberia; 2) S. M. Shmeter -- the process of cumulonimbus cloud development and a proposed model of the structure of the fields of meteorological elements near the upper third of such clouds at different stages of development; 3) V. D. Reshetov -- the use of hydrodynamic equations for determining the interdependence of ageostrophic, nonstatic, and nonstationary atmospheric motions and a more

Card 1/2

AID Nr. 981-3 3 June

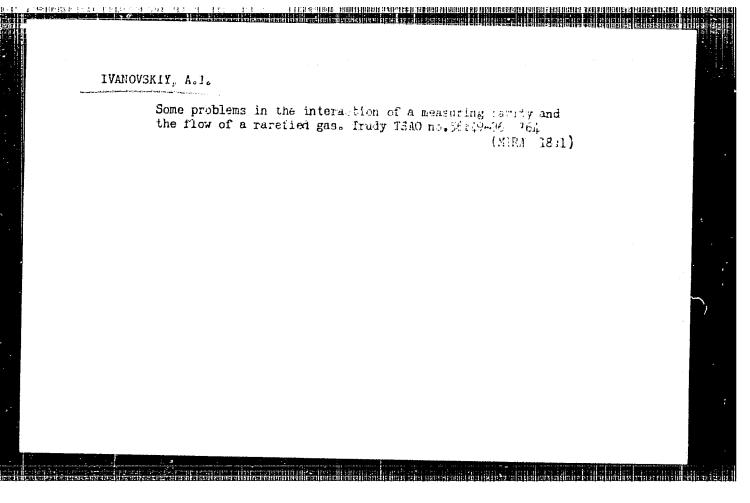
CONFERENCE AT CENTRAL AEROLOGICAL [Cont'd]

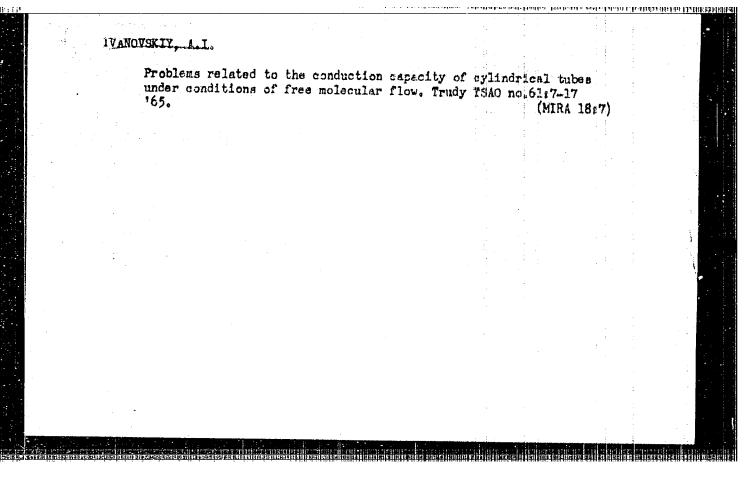
8/050/63/000/004/002/002

accurate form proposed for writing such equations; 4) I. F. Kvaratskheliya -conditions for the formation of sharp changes of vertical wind shear in the
upper half of the troposphere over the Transcaucasus; 5) A. I. Ivanovskiy
and A. I. Repnev -- the hydrodynamics of the upper atmosphere, taking into
account the chemical reactions occurring under solar influence; 6) V. V.
Kostarev, A. M. Borovikov, and A. B. Shupyatskiy -- certain radar criteria
for identifying the hail content of clouds and criteria for evaluating the effect
of cloud modification; and 7) A. G. Gorelik -- certain results of radar investigations of the wind field at altitudes of 50 to 700 m.

(ET)

Card 2/2





L 1882-66 FSS-2/EVT(1) GS/GH ACCESSION NR: AT5023562

UR/0000/65/000/000/0056/0061

AUTHOR: Ivanovskiy, A. I

TITLE: Aerodynamics of manometers and mass spectrometers in rockets and earth satellites.

SOURCE: Nessoyuznaya konferentsiya po fizike kosmicheskogo prostranstva. Noscow, 1965. Issledoveniya kosmicheskogo prostranstva (Space research); trudy konferentsij. Moscow, Izd-vo Nauka, 1965, 56-61

TOPIC TAGS: scientific rocket, geophysical instrument, scientific satellite, meteorological instrument, menometer, mass spectrometer, 44.55.12 44.35,12

ARSTRACT: The author derives mathematical formulas to define the behavior of a stream of rarefied gas in the intake tubes in the mahometers and mass spectrometers used in rockets and satellites. It is assumed that the gas in the atmosphere is Maxwellian, that a particle colliding with the wall acquires the well temperature and is diffusely reflected with an accomodation coefficient of 1, and that the free path of a particle in the atmosphere is considerably longer than the instrument. All particles entering the tube are divided into two classes:

1) primary particles which have not once collided with the wall, and 2) secondary

Card 1/2

	L 1882-66 ACCESSION NR: AT502356 particles which have contemperature. An expression particles at an arbitrary cross section interact with the walls graphically. Orig. art	llided at least on sion is derived for ry point and the i . The problem is and recombine int	or calculating the low of secondary also solved for considering the molecules. The	e density of s particles thr oxygen particl	econdary ough an
	ASSOCIATION: none				
	SUBMITTED: 02Sep65	ENCL:	00	SUB	CODE: ES,ME
***	NO REF SOV: 004	ОТНЕЯ	: 003		PRESB:4111

IVANOVSKIY, A.I.; REPNEV, A.I.; SHVIDKOVSKIY, Ye.G.

Calculation of additional terms in hydrodynamic equations accounted for by photodissociation reactions and pair recombination of atoms with emission of a photon. Trudy TSAO no.46:16-33 *63. (NIRA 17:1)

IVANOVSKIY, A.I.; KOSTKO, O.K.; FEDYNSKIY, A.V.

Density distribution in various devices in free molecular flow. Trudy TSAO no.46:50-62 '63. (MIRA 17:1)

IVANOVEKII, A. 2.; KEPNEV, A. 1.

"On the interactions of instruments for measuring structural parameters of atmosphere with the flow of rarefied gas."

report submitted for 5th Intl Space Science Symp, Florence, 12-16 May 64.

Hydrometeorological Service of the USSR.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000619310002-9"

FUKS, I.M.; VALEYEVA, F.N.; POPKOVA, F.V.; VOLKOVA, L.P.; HELOGOLOVSKAYA, T.A.; ROMASHKEVICH, I.K.; Prinimali uchastiye: MOROZOVA, L.M.; DASHEVSKAYA, S.I.; VAKHMINA, L.S.; KARAVAYEVA, G.V.; IVANOVSKIY, A.K.; ZHUKHINA, G.Ye.; SOLOV'YEVA, G.M.; ANDRIYANOVA, M.V.; AKHMETOVA, V.M.; NEMIROVSKAYA, M.Ye.; MUSORINA, L.S.; KALASHNIKOVA, Ye.I.; PESHKO, A.P.; IVANOVA, N.V.; ALKESEYEVA, N.I.; SADOVNIKOVA, G.N.

Study on the possibility of reducing the diphtheria vaccine dose in revaccination of 9 to 12 year-old schoolchildren. Zhur. mikrobiol., epid. i immun. 41 no.11:103-107 165. (MIRA 18:5)

1. Ufimskiy institut vaktsin i syvorotok imeni Mechnikova.

BUDYLINA, V.V.; IVANOVERIY, A.S.; ANISIMOVA, Ye.M.

Effect of antigen, arcduction—time period and physiological state of the producing bares on the quality of native antitoxic sera.

Vak. 1 syv. no.1:83-39 153. (MIRA 18:3)

1. Starropol'skiy institut vaktsin 1 syvorotak.

IVANOVSKIY, A.S., kand.vet.nauk

Determination of certain blood factors in horses. Veterinariia
35 no.3:76-77 Mr '58. (MIRA 11:3)

1. Stavropol'skiy nauchno-issledovatel'skiy institut vaktsin i
syvorotok.
(Horses--Physiology) (Blood--Analysis and chemistry)

AP6032180

SOURCE CODE: UR/0096/66/000/010/0035/0039

AUTHOR: Pavlovskiy, G. I. (Candidate of technical sciences); Bratuta, E. G. (Engineer); Shatilov, S. P. (Engineer); Ivanovskiy, A. Yu. (Engineer)

ORG: Khar'kov Politechnical Institute imeni V. I. Lenin (Khar'kovskiy politekhnicheskiy institut)

رالای تعمل زریتی تعمل زلینی

TITLE: Study of the discharge capacity of guide vane cascades in the last stage of the K-500-240 KhTGZ turbine

SOURCE: Teploenergetika, no. 10, 1966, 35-39

TOPIC TAGS: guide vane, turbine, discharge capacity, cascade, discharge coefficient, subsonic flow, supersonic flow, wet steam/K-500-240 turbine

ABSTRACT: An experimental determination was made of the discharge coefficient of the flow of superheated and wet steam at the plane cascades of a guide vane at the last stage of a K-500-240 KhTGZ turbine at actual M and Re numbers. It was found that at subsonic flow rates the discharge coefficient decreases with an increase in the pitch/chord ratio, apparently as the result of the increasing difference between the actual and effective flow exit angles. At

Card 1/2

UDC: 621.165.533.6.001.5

ACC NR: AP6032180		O
the pitch/chord ratio was for	dependence of discharge capacity or ound to be rather weak, probably ow all and effective flow exit angles. C rs' abstract]	ving to the alone
SUB CODE: 21/ SUBM DA	TE: none/ ORIG REF: 008/	
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MOLCHANOV, Nikolay Semenovich; IVANOVSKIY, B.D., red. [deceased]; GEMBITSKIY, Ye.V., red.; CHUNAYEVA, Z.V., tekhn. red.

[Treatment in the field; manual for students of medical institutions and for physicians] Voenno-polevaia terapiia; rukovodstvo dlia studentov medvuzov i vrachei. Leningrad, Gos. izd-vo med. lit-ry Medgiz, Leningr. otd-nie, 1961. 234 p. (MIRA 14:7)

(MEDICINE, MILITARY—HANDBOOKS, MANUALS, ETC.)

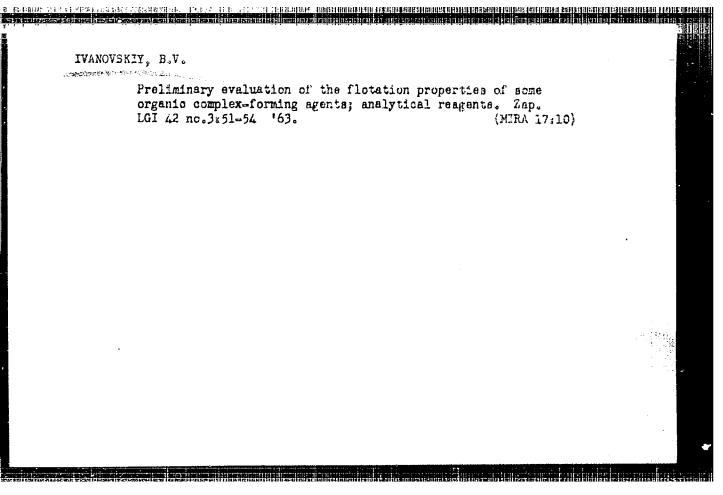
IVANOVSKIY, B.V.

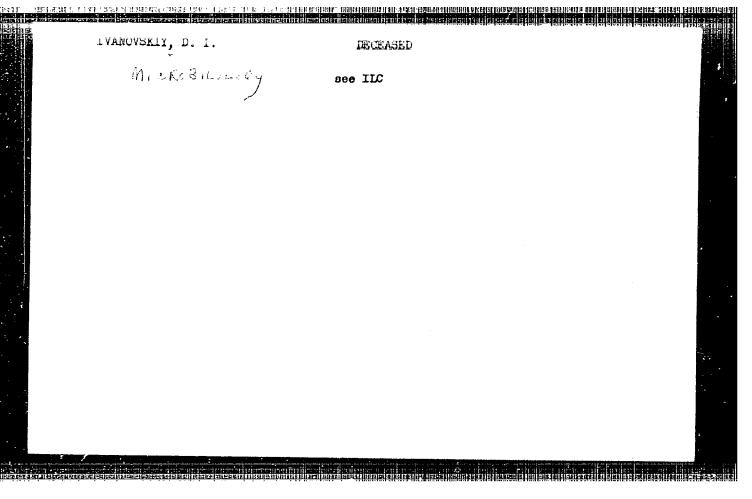
Flotation of synthetic quartz-cassiterite mixtures with simultaneous additions of cupferron and alizarin. Izv. vys. ucheb. zav.; tsvet. met. 3 nc.5:25-29 160. (HIRA 13:11)

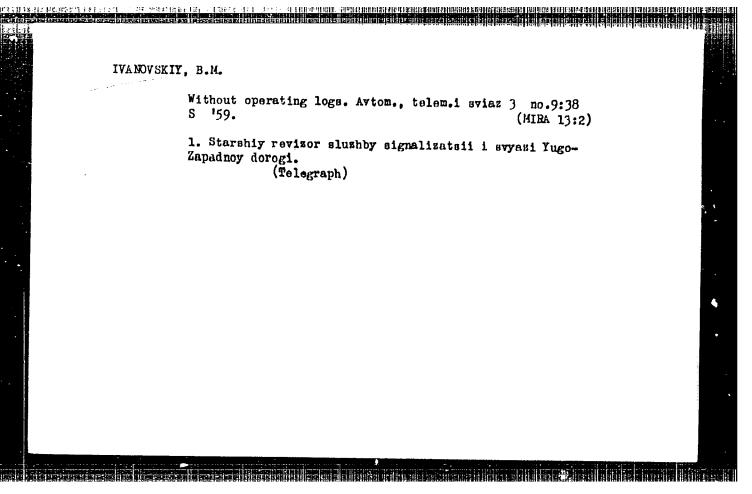
1. Leningradskiy gornyy institut. Kafedra obshchey i fizicheskoy khimii.

(Flotation-Equipment and supplies)

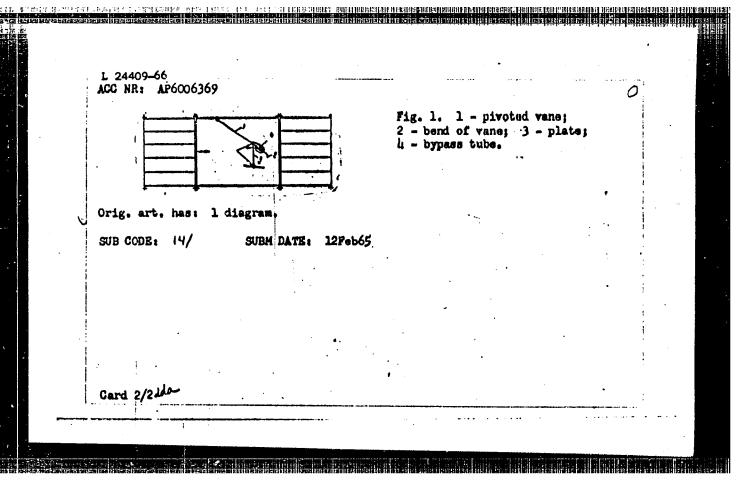
APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000619310002-9"







EWT(1)/EWA(h)/ETC(m)-6 ACC NR: AP6006369 SOURCE CODE: UR/0413/66/000/002/0100/0100 AUTHORS: Chernoval, V. S.; Shcherba, N. U.; Frelin, N. V.; Dashevskiy, L. N.; Kolyada, I. A.; Gudrit, Ye. R.; Fediv, V. A.; Ivanovskiy, B. N.; Mazur, P. A. Yaskevich, L. Ye. ORG: none Class 42, No. 178125 /announced by Gas Institute TITLE: Streamline flow meter. AN UkrSSR (Institut gaza AN UkrSSR)/ SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 2, 1966, 100 TOPIC TAGS: flow meter, streamline flow ABSTRACT: This Author Certificate presents a streamline flow meter containing a sensing element in the form of a pivoted vane and jet rectifiers mounted in front of and behind the vane (see Fig. 1). To decrease ribrations, the pivoted vane has a bend in the side opposite the flow direction. A plate whose center of gravity is displaced toward the free end of the vane is hinged to the vane. There is also a bypass tube connecting the front and back of the vane. VDC: 532.574.27 : Card 1/2



ANTONOVA, L.G.; FIL'CHENKOVA, T.G.; IVANOVSKIY, E.P.; KRASIL'SHCHIKOV,
A.I. (Moscow)

Adsorption phenomena in the system hydrogen — carbonic acid — carbon monoxide — water vapor. Part 2: Adsorption of carbon monoxide.

Zhur. fis. khim. 34 no.12:2766-2771 D '60. (MIRA 14:1)

1. Gosudarstvennyy institut asotnoy promyshlennosti. (Carbon monoxide) (Electromotive force)

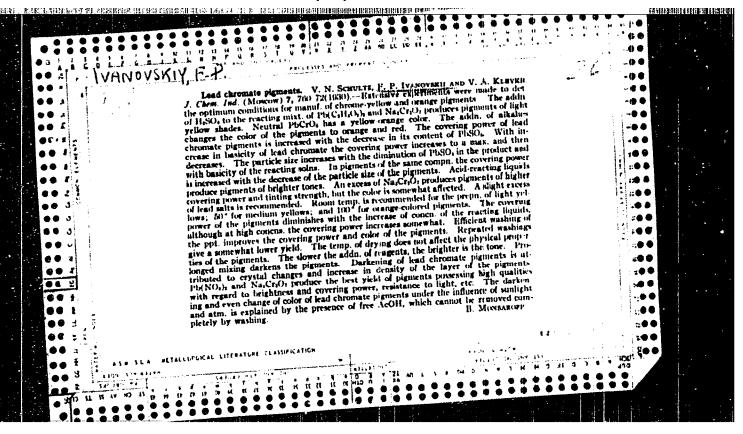
(Adsorption)

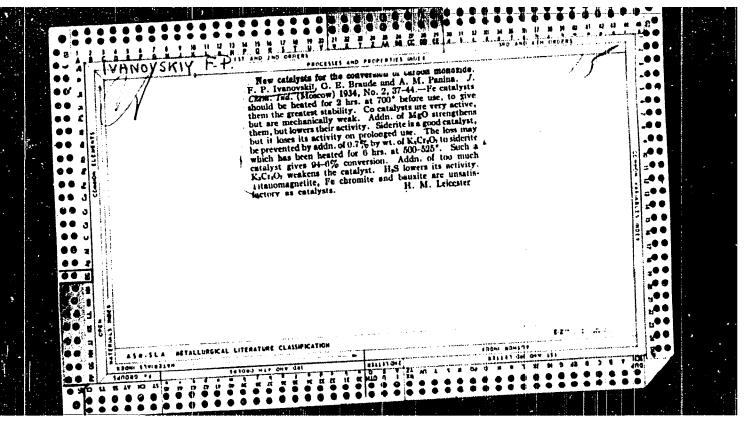
IVANOVSKIY, E.V., nauchnyy sotrudnik; NAZAROV, V.P., nauchnyy sotrudnik

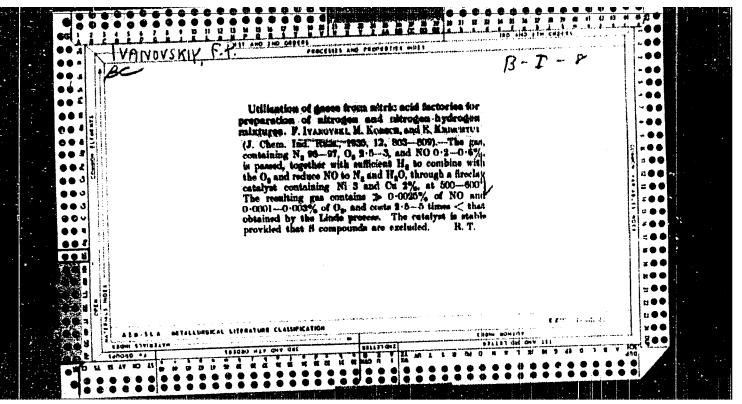
Virus vaccine against African horse sickness. Veterinariia
40 no.10:70-72 0'63. (MIRA 17:5)

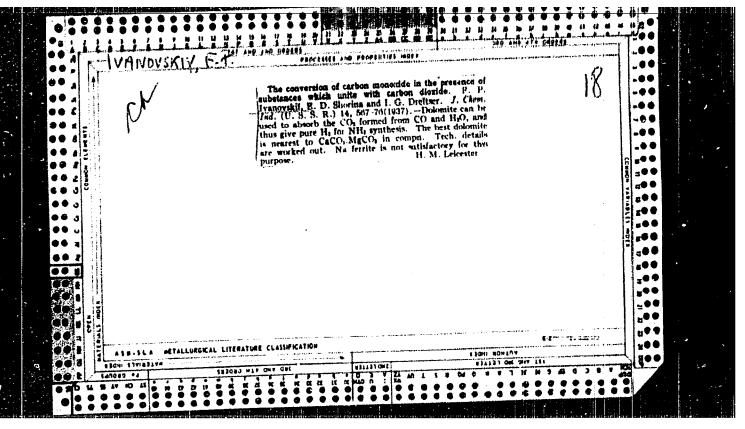
1. Gosudarstvennyy nauchno kontrol'nyy institut veterinarnykh
preparatov.

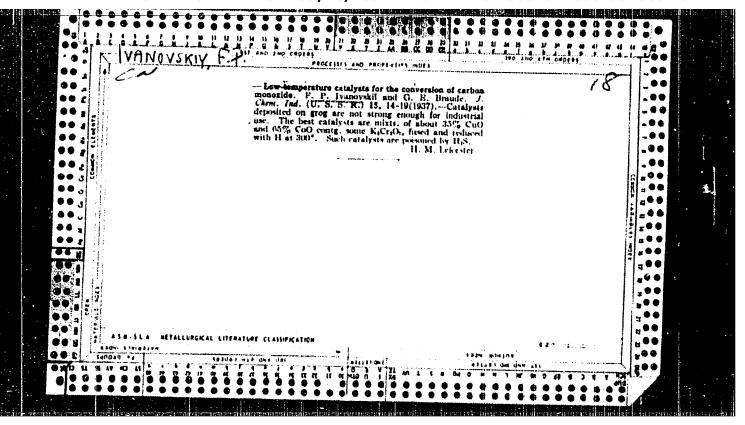
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IVANOVSKIY, F. P. Dissertation: "Studying the Process of Carbon-Monoxide Conversion Under Pressure." Moscow Order of Lenin Chemicotechnological Inst imeni D. I. Mendeleyev, 14 May 27.

SO: Vechernyaya Moskva, May, 1947 (Project #17836)

Cand. Tech. Sci.

CIA-RDP86-00513R000619310002-9" **APPROVED FOR RELEASE: 03/20/2001**

USSR, Chemistry - Gas purification; Hydrogen sulfide

FD-2527

Card 1/1

Pub. 50 - 6/14

Authors

: Ivanovskiy, F. P., Dontsova, V. A., Semenova, T. A.

Title : Utilization of

: Utilization of a by-product of the aluminum industry, red sludge,

in the purification of gases from hydrogen sulfide

Periodical

: Khim. prom. No 4, 218-222, Jun 1955

Castract

: Investigated red sludge (mainly ferric oxide) from the Ural'sk Aluminum Plant as an agent for the purification of industrial gases from hydrogen sulfide and found that it is effective. Determined the conditions under which purification with red sludge should be carried out. Eight references; 3 USSR, 2 since 1940. One figure,

one graph, 7 tables.

USER/Physical Chemist tics, Combustion, Explosions, Topochemistry, Catalysis.

Abs Jour: Ref Zhur - Khimiya, No 7, 1957, 22437.

Author : F. P. Ivanovskiy, R. S. Kal'varskaya, G. S. Beskova, N. P.

Sokolova.

: Not glaven INCT. NITROGEN INA, MOSCOW. Inst

: Study of the mechanism of catalytic hydrogenation of organic Title

sulfur compounds on an iron chromium catalyzer with the application of marked atoms method. I. Study of carbon bisulfide and

theophene mechanism of catalytic hydrogenation.

Orig Pub : Zh. fiz. Khimii, 1956, 30, No 8, 1860. (Res.angl).

Abstract: Reactions of carbon bisulfide hydrogenation (I) at 200° and thiophene hydrogenation at 300° are studied on a Catalyzer containing $\sim 88\%$ Fe₂O₃, $\sim 8\%$ Gr₂O₃, $\sim 3.7\%$ SO₄, $\sim 1\%$ MgO and sulfidized with the aid of H₂S³⁵, before the start of the experiment. The comparison of data on radioactivity of gaseous reaction products with corresponding \$ of transformation brought the authors to the conclusion that reactions (1) and (2) are

passing through 2 stages, through the formation of intermediate compounds with the catalyzer (FeS35). In both reactions

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IVANOVSKIY, F.P.; KAL'VARSKAYA, R.S.; BESKOVA, G.S.; SCKOLOYA, N.P.

Tracer studies on the mechanism of the catalytic hydrogenation of organic sulfur compounds on an iron-chromium catalyst. Zhur. fis. khim. 30 no.11:2555-2559 N '56. (MIRA 10:4)

1. Institut azotnoy promyshlennosti, Moskva. (Sulfur organic compounds) (Hydration)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000619310002-9"

STRUNINA, A.V.; ZEL'VENSKIY, Ya.D., kand.khim.nauk; IVANOVSKIY, F.P., kand.tokhu.nauk

Absorption of carbon disulfide by monosthanolanine solutions.

Trudy GIAP no.7:195-212 '57. (MIRA 12'9)

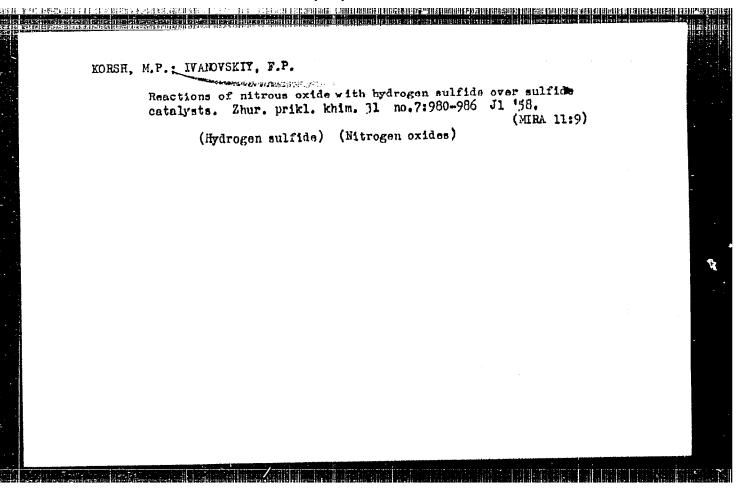
(Gas purification) (Carbon disulfide) (Ethanol)

IVANOVSKIY, F.P., kand. tekhn. nauk; BRAUDE, G.Ye.; SHMENOVA, T.A.

Selection of catalysts and the conversion of carbon monoxide under increased pressure; preliminary report. Trudy GIAP no.8:76-88

[PIRA 12:9]

(Carbon monoxide) (Catalysts)



5(4),5(1)
AUTHORS: Shenderey, Ye.R., Zel'venskiy, Ya. D., SOV/64-59-4-13/27
Ivanovskiy, F. P.

TITLE: Solubility of Carbon Dioxide in Methanol at Deep Temperature Under Pressure (Rastvorimost' dvuokisi ugleroda v metanole pri

nizkoy temperature pod davleniyem)

PERIODICAL: Khimicheskaya promyshlennost:, 1959, Nr 4, pp 50-53 (USSR)

ABSTRACT: For the purpose of purifying the synthesis-gas of sulfur compounds and carbon dioxide (I), and of extracting the acetylene from combustion gases (Refs 1-4) a gas absorption in organic solution mediums at deep temperatures (-25 to -60°) and a pressure of from 10-30 atmospheres is used. Methanol (II) proved to be the best means of absorption of this kind (Ref 5). The determination results concerning the solubility of (I) in (II) at -26, -36, -45, and -60° under pressure are given. The

determinations were made according to a static method in an arrangement (Fig 1) which is in principle similar to that of (Ref 8). The autoclave and the piezometer were mounted in a thermostat. The pressure was measured with a spring-manometer,

thermostat. The pressure was measured with a spring thermo-couple card 1/2 and the temperature by means of a copper/Constantan-thermo-couple

Solubility of Carbon Dioxide in Methanol at Deep Temperature Under Pressure

SOV/64-59-4-13/27

via a potentiometer PPTN. The measuring results obtained (Table 1, Figs 2,3 Isotherms) show that the solubility of (I) in (II) at given conditions is very high, and that for instance, if the pressure is equal, at -45° 70 times more cf (I) is dissolved in (II) than at +25° in water. With (I) concentrations under 20 mol% the solubility increases proportionally with the pressure. In this interval the molar concentration of (I) in the solution may be calculated by multiplying the corresponding pressure of (I) with a coefficient. The solution heat of (I) in (II) was calculated from the temperature function of solubility (4050 kcal/mol). The densities of concentrated (I)-solutions in (II) (Table 2) were determined, and it was found that the molar volume of the (I)-solution in (II) is an additive composition of the liquid (I) and (II) with a deviation up to 2%. There are 6 figures, 2 tables, and 9 references, 5 of which are Soviet.

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5(4)

504/76-33-2-28/45

AUTHORS:

Antonova, L. G., <u>Ivanovskiy</u>, F. P., Fil'chenkova, T. G., Krasil'shchikov, A. I.

TITLE:

Adsorption Phenomena in the System Hydrogen - Carbon Dioxide -Carbon Monoxide - Water Vapor I (Adsorbtsionnyye yavleniya v sisteme vodorod - uglekislota - okis' ugleroda -vodyanoy

par.I)

PERIODICAL:

Zhurnal fisicheckoy khimii, 1959, Vol 33, Fr 2,

pp 416 - 421 (USSR)

ABSTRACT:

The catalytic reaction of carbon monoxide with water vapor yielding hydrogen and carbon dioxide has been often investigated (Refs 1-7). The present experiments concerning the adsorption of these components were carried out according to a somewhat modified method (Ref 8). No electrode polarization was produced, but the potential of the internal electrode was measured. The gas was adsorbed onto a porous

metal film which served as an electrode and which was applied to glass. A metal film of silver maintained in an air atmosphere served as the comparison electrode. The

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reaction cell (Fig 1) was produced from a special glaseous

Adsorption Phenomena in the System Hydrogen - Carbon Dioxide - Carbon Monoxide - Water Vapor I

507/76-33-2-28/45

material conductive at higher temperatures and which was attached to the testing apparatus (Fig 2). Experiments on copper films showed (Fig 3) that at 300°C (potential ca - 1250 mv) an extension of the potential to positive values takes place with an increase in moisture. The hydrogen adsorption at 250°C (potential ca -1200 mv) (Fig 5) has a different character than at 300°C since the influence of the moisture exerts a stronger irreversible effect. The adsorption of CO₂ on copper occurs at 250°C with a potential of ca -500 mv (Fig 6). The adsorption of H₂ and CO₂ on cobalt films occurs similarly to that on the copper films (potential at 250°C ca - 1100 mv) (Figs 8-10). The experimental results show that the measurement of the potential of metallic films is an important method for investigating gas adsorption. There are 10 figures and 21 references, 12 of which are Soviet.

ASSOCIATION:

Institut azotnoy promyshlennosti, Moskva (Institute of the Nitrogen Industry, Moscow)

Card 2/3

Adsorption Phenomena in the System Hy!rogen - Carbon Dioxide - Carbon Monoxide - Water Vapor I

SUBMITTED: July 9, 1957

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APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000619310002-9"

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1. Gosudarstvennyy nauchno-issledovatel'skiy institut azotnoy promyshlennosti. (Adsorption) (Catalysts) (Ionization of gases)	KRASIL'	Adsorption, ion metals. Kin.i	ization, and cate	lytic activation 2-220 Jl-Ag 160.	of gases on (MIRA 13:8)	
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s/195/60/001/002/007/010 BO04/B067

Semenova, T. A., Braude, G. Ye., Ivanovakiv P.

Study of the Conductivity of Zinc, Chromium, and Copper AUTHORS:

Oxide Catalysts Used for the Conversion of Carbon Monoxide TITLE:

PERIODICAL: Kinetika i kataliz, 1960, Vol. 1, No. 2, pp. 282 - 286 TEXT: In Refs.1,2 the authors studied catalysts consisting of CuO, ZnO,

and Cr₂O₃ with different ratios of the components. Since these catalysts are semiconductors, the authors studied their conductivity and the rela-

tion between conductivity and activity. Tablets were pressed from powders

of these oxides. Their conductivity was measured in a vacuum of 10⁻⁵ - 10⁻⁶ mm Hg and in a mixture of CO and water vapor at temperatures temperature. between 150° and 400°C, at both increasing and decreasing temperature. The measurements were made with molybdenum probes whose circuit diagram is

shown in Fig.2. A MMTB-1 (PPTV-1) potentiometer and an AY-M2 (ACh-M2) cathode voltmeter were used. The authors obtained easily reproducible results. With increasing temperature, the conductivity in the vacuum in-

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Study of the Conductivity of Zinc, Chromium, S/195/60/001/002/007/010 and Copper Oxide Catalysts Used for the B004/B067 Conversion of Carbon Monoxide

creases. In the gas mixture, however, the conductivity is reduced to a constant value the more, the higher the copper content. As is shown in Fig.6, an inverse relation was observed between conductivity of and specific activity K which depends on the Cu content. There are 6 figures, 2 tables, and 3 Soviet references.

ASSOCIATION: Nauchno-issledovatel'skiy institut azotnoy promyshlennosti,
Moskva (Scientific Research Institute of the Nitrogen
Industry, Moscow)

SUBMITTED: December 14, 1959

Legend to Fig.2: T: tube for conductivity measurement; R_x: tablet; K₁,K₂: contacts; B₁,B₂: probes; A: milli- or microammeter; V: cathode voltmeter; B: power source; a) gas inlet; b) gas outlet.

Legend to Fig.6: a) molar ratio CuO/ZnO·Cr₂O₃; b) K_{sp}

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ZNU: Cr203

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Shenderey, Ye. R., Zel'venskiy, Ya. D., Ivanovskiy, F. F.

AUTHORS:

The Solubility of Carbon Dioxide in Methyl Ethyl Ketone, Ethyl Acetate, and Toluene at Low Temperatures Under TITLE:

Pressure

PERIODICAL:

Khimicheskaya promyshlennosti, 1960, No. 5, pp. 18 - 22

TEXT: As the process of purification and extraction of gases by means of absorption at low temperatures is becoming more and more important for industry, a study is made here of the . , solubility in different solvents. The solubility of carbon dioxide in methyl ethyl ketone, ethyl acetate, and toluene has been examined at -25, -35, and -45°C, and pressures up to 16 atm. The solutions were found to be almost ideal. It is found from the analysis of the experimental results that the equation of I. P. Krichevskiy (Ref.5) for dilute solutions of nonelectrolytes is valid for the systems studied only if the concentration of CO, is not more than 10-15 mole%. The equation is:

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